

Inventors: Christen M. Anderson et al. Serial No. 09/810,644 Docket No. 660088.420D3

ANT1m ATGGTGATCAGCTTGGAGCTTCTAAAGGACTTCCTGGCCGGGGCGGTGCGCGGTGCCGTCTCCAAGACGGGGTGGC 80
 ANT2m ATGACAGATGCCGCTGTGTCTTCGCCAAGGACTTCCTGGCAGGTGGAGTGGCCGAGCCATCTCCAAGACGGCGGTAGC 80
 ANT3m ATGACGGAACAGGCATCTCTTCGCCAAGGACTTCCTGGCCGAGGCATCGCCGCGCCATCTCCAAGACGGCGGTGGC 80

ANT1m CCCCATCGAGAGGGTCAACTGCTGCTGCAGGTCCAGCATGCCAGCAACAGATCAGTGTGAGAAAGCAGTACAAAGGCA 160
 ANT2m CCCCATCGAGCGGGTCAAGCTGCTGCTGCAGGTCCAGCATGCCAGCAAGCAGATCACTGCAGATAAGCAATACAAAGGCA 160
 ANT3m TCCCATCGAGCGGGTCAAGCTGCTGCTGCAGGTCCAGCATGCCAGCAAGCAGATCGCGCGAGAAAGCAGTACAAAGGCA 160

ANT1m TCATTGATTTGTGGTGAGAAATCCCTAAGGAGCAGGGGCTCTCTCTCTCTGGAGGGGTAACTGGCCAACTGATCCGT 240
 ANT2m TTATAGACTGCGTGTCCGTATCCCAAGGAGCAGGAAGTTCTGTCTCTCTGGCGGGTAACTGGCCAAATGTCATCAGA 240
 ANT3m TCTTGACTGCAATGTCCGATCCCCAAGGAGCAGGGGCTCTGTCTCTCTGGAGGGCAACCTTGCCAACTGATTCGG 240

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 ANT2m TACTTCCCCACCAAGCTCTCAACTCGCCTTCAAGGATAAGTACAAGCAGATCTTCTGGGTGGTGTGGACAAGAGAAC 320
 ANT3m TACTTCCCCACTCAAGCTCTCAACTCGCCTTCAAGGATAAGTACAAGCAGATCTTCTGGGGGTGTGGACAAGCAC 320

ANT1m GCAGTCTGGCGCTACTTTGCTGGTAACCTGGGCTCCGGTGGCGCGGTGGGGCCACCTCCCTTTGCTTTGTATACCCGC 400
 ANT2m GCAGTCTGGGCTACTTTGCAAGGAATCTGGCATCGGTGGTGGCGAGGGGCCACATCCCTGTGTTTGTGTACCCGC 400
 ANT3m GCAGTCTGGAGTACTTTGCGGGAACCTGGGCTCCGGTGGCGCGGTGGGGCCACCTCCCTTTGCTTTGTGTACCCGC 400

ANT1m TGGATTGTTGTTAGGACAGGTGGGTCTGATGTGGGAGGC---GCGCCAGCGTGAGTTCATGGTCTGGGCGACTGT 477
 ANT2m TTGATTTGGCGTACCCGCTAGCAGCTGATGTGGTAAGGCTGGAGCTGAAGGGAAATCCGAGGCCTGGGTACTGC 480
 ANT3m TGGATTTGCCAGAACCCGCTGGCAGCGGAGGTGGGAAGTCAAGCAAGAGCGGAGTCCGAGGCCTGGGAGACTGC 480

Fig. 1A

T02250-1490T860

ANT1m ATCAATCAAGATCTTCAAGTCTGATGGCTTGAAGGGCTGTACCAGGCTTCAACGTCTCTGTCCAAGGCATCATATCTA 557
 ANT2m CTGGTTAAGATCTACAAATCTGATGGATTAAGGGCCTGTACCAAGGCTTTAACGTCTCTGTGCAGGGTATATCATCTA 560
 ANT3m CTGGTGAAGATCAACAAGTCCAGGCATCCGGGCCTGTACCAGGGCTTCAAGTCTCTGTGCAGGGCATCATCATCTA 560

ANT1m TAGAGTGCCTACTTCGGAGTCTATGATACTGCCAAGGGATGCTGCTGACCCCAAGAACGTGCACATTTTGTGAGCT 637
 ANT2m CCGAGCCGCTACTTCGGTATCTATGACTGCAAGGGAATGCTTCCGATCCCAAGAACAATCACATCGTCAATGAGCT 640
 ANT3m CCGAGCCGCTACTTCGGGTATCTATGACTGCCAAGGGATGCTTCCGACCCCAAGAACACGCACATCGTGTGAGCT 640

ANT1m GGATGATGCGCAGAGTGTGACGGAGTCCAGGGCTGTGTCTACCCCTTTGACACTGTTCTCGTAGAATGATGATG 717
 ANT2m GGATGATCGCACAGACTGTACTGTGTGTCCGGGTGACTTCTATCCATTTGACACTGTTCCGGCCGCATGATGATG 720
 ANT3m GGATGATCGCCAGAGTGTGACGGCGTCCCGGCTGTGTCTACCCCTTGACACGTTCCGGCCGCATGATGATG 720

ANT1m CAGTCCGGCCGAAAGGGCGATATATGTACACGGGCACAGTTGACTGCTGGAGGAAGATTGCAWAGACGAAGGAGC 797
 ANT2m CAGTCAAGGGCGAAAGGAAGTACATCATGTACACAGGCACGTTGACTGCTGGGGAAGATTGTCCTGATGAAGGAGG 800
 ANT3m CAGTCCGGGCGCAAGGAGCTGACATCATGTACACGGGCACGTTGACTGTTGGAGGAAGATCTTCAGAGATGAGGGGG 800

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 ANT2m CAAGGCTTTTCAAGGGTGCATGGTCCAATGTCTGAGAGGCATGGGCGGTGCTTTTGTGCTTGTCTTGTATGATGAAA 880
 ANT3m CAAGGCCTTCTTCAAGGTGCTGGTCCAATGTCTGAGAGGCATGGGCGGTGCTTTTGTGCTTGTCTTGTATGATGAAA 880

ANT1m TCAAAATATGTCTAA 894
 ANT2m TCAAGAAGTACATAA 897
 ANT3m TCAAGAAGTATCTAA 897

Fig. 1B

Title: PRODUCTION OF ADENOSINE TRIPHOSPHATE TRANSLATOR (ANT), NOVEL ANT LIGANDS AND SCREENING ASSAYS THEREFOR

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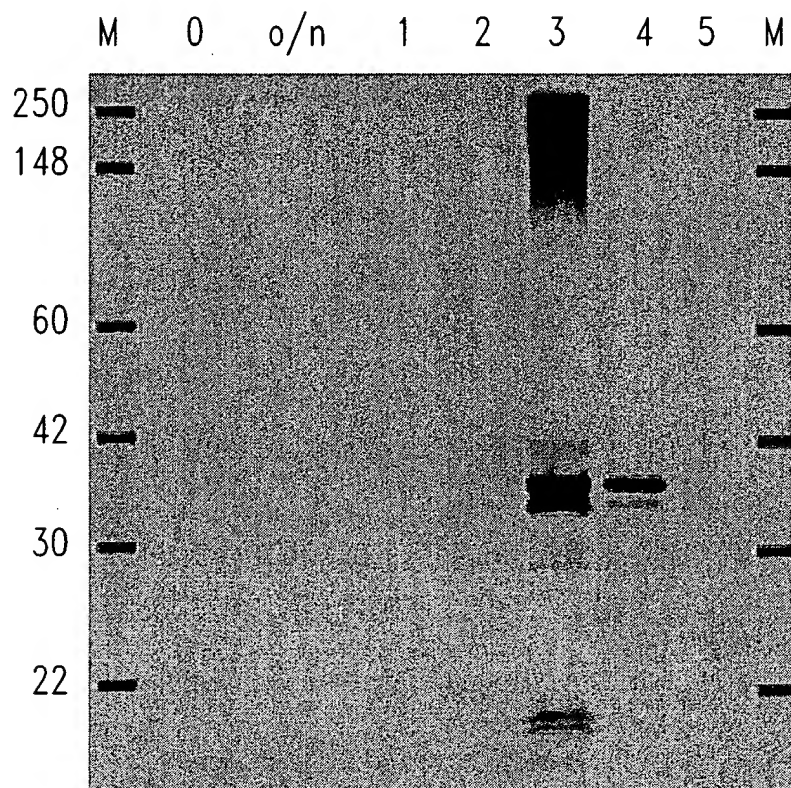


Fig. 3

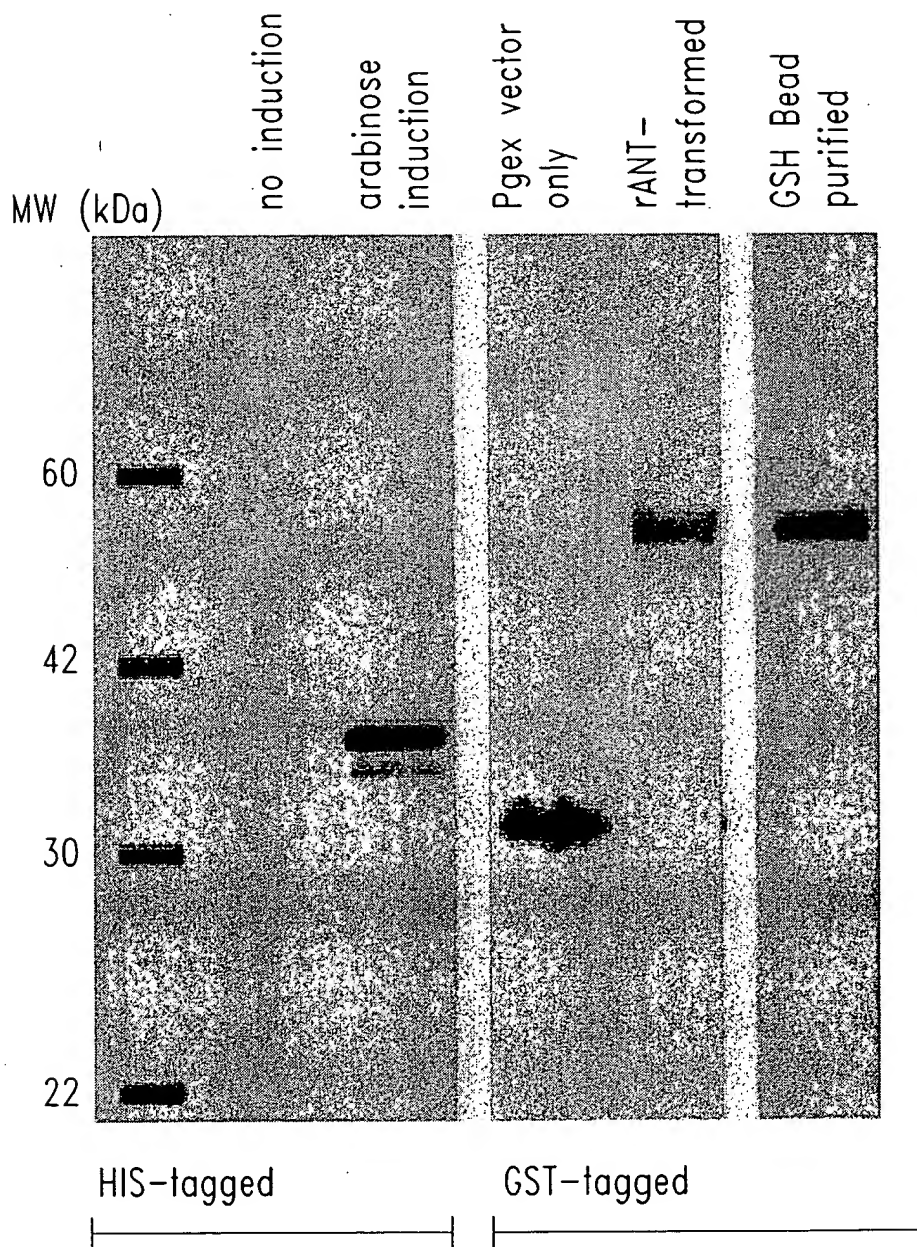


Fig. 5

Title: PRODUCTION OF ADENIN(2)LEOTIDE TRANSLOCATOR (ANT), NOVEL ANT L1 ; AND SCREENING ASSAYS THEREFOR

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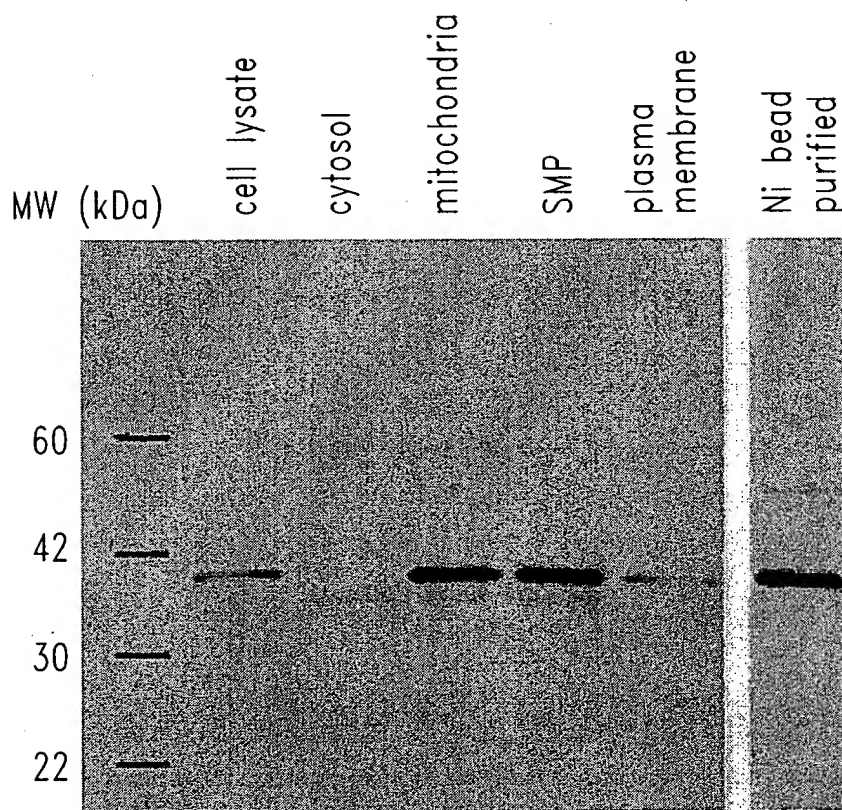


Fig. 6

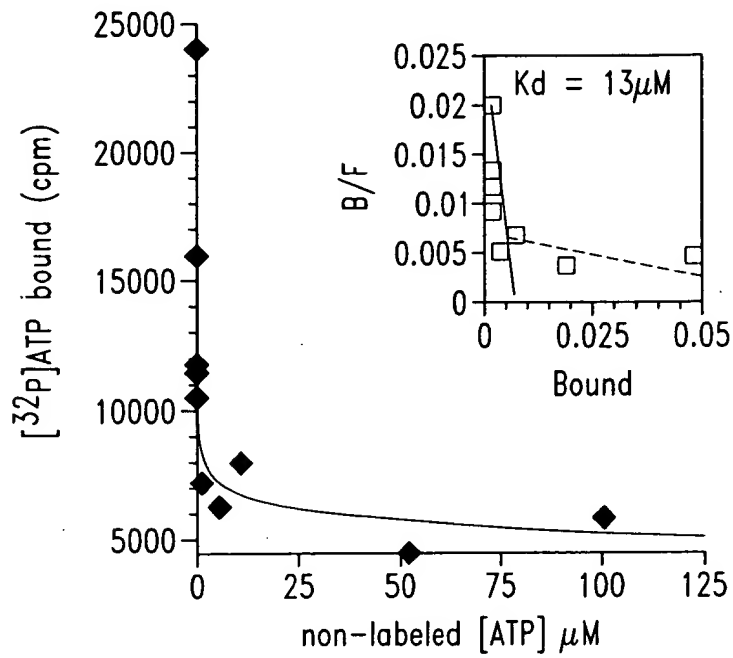


Fig. 7

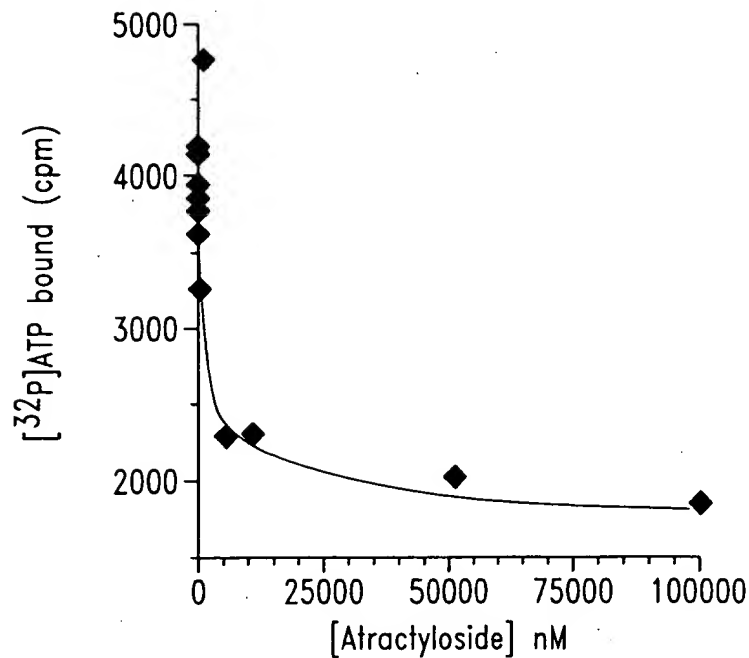


Fig. 8

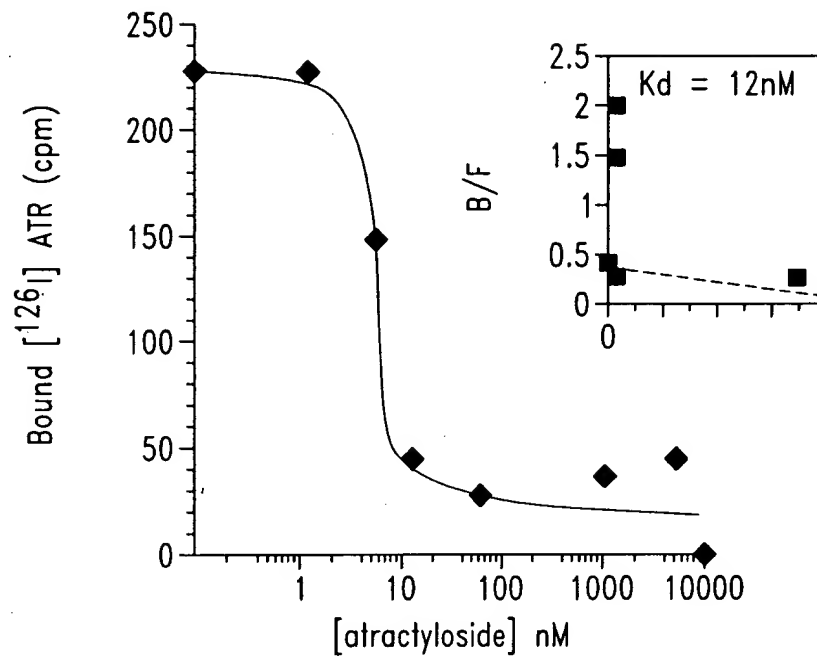


Fig. 9

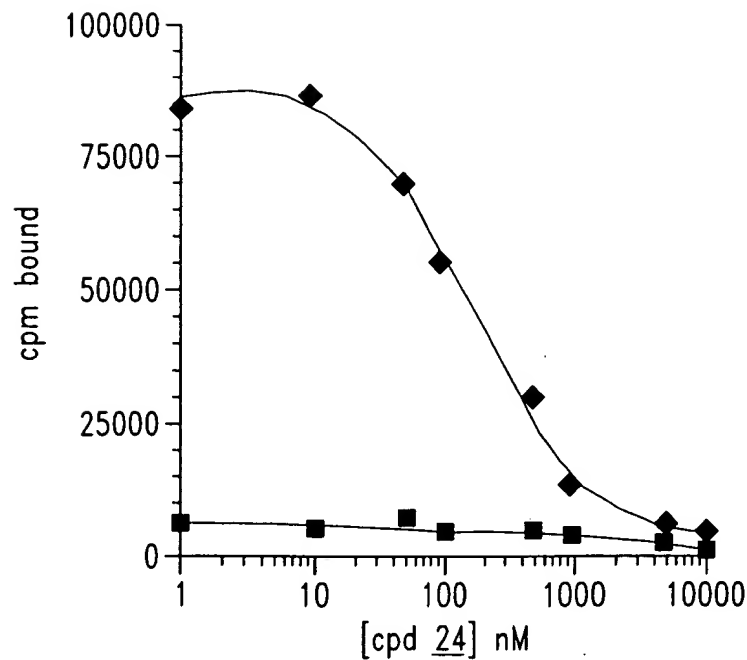


Fig. 11

Title: PRODUCTION OF ADENIN NUCLEOTIDE TRANSLOCATOR (ANT), NOVEL ANT LI AND SCREENING ASSAYS THEREFOR

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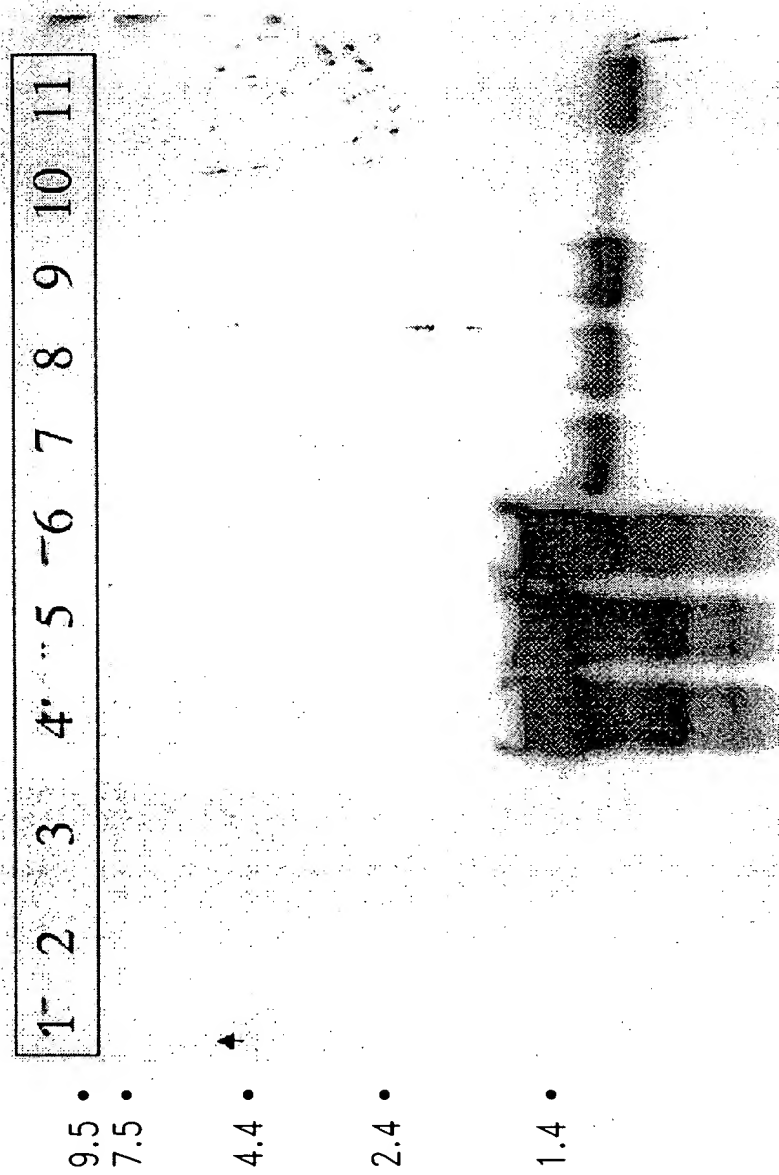


Fig. 10

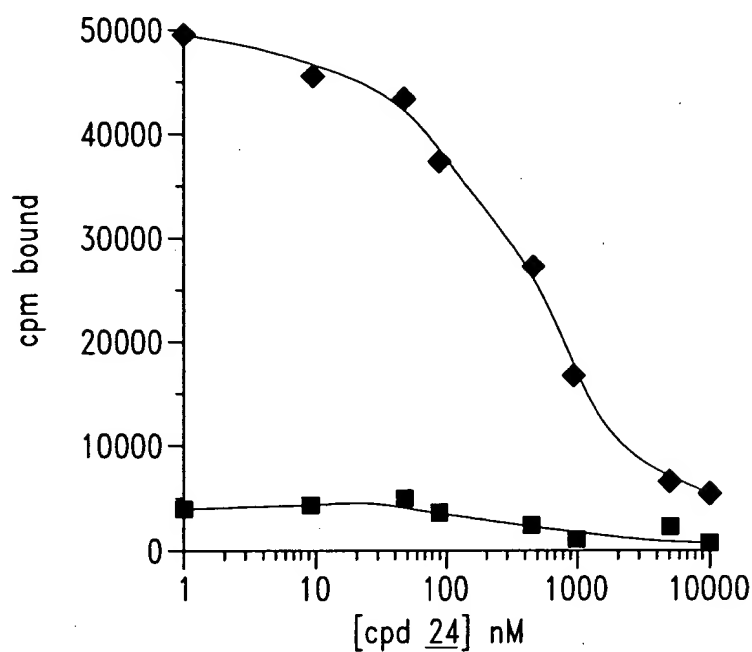


Fig. 12

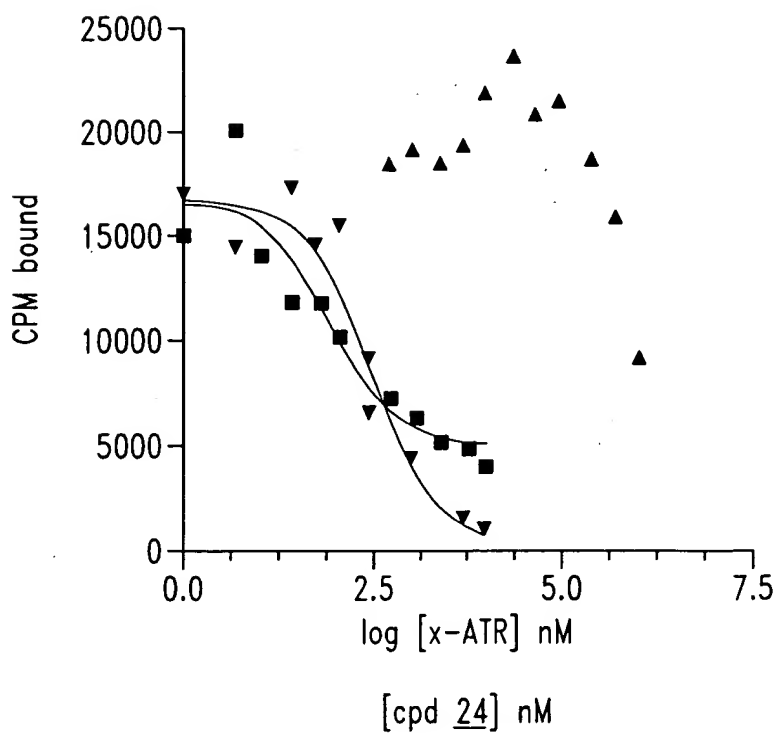


Fig. 13

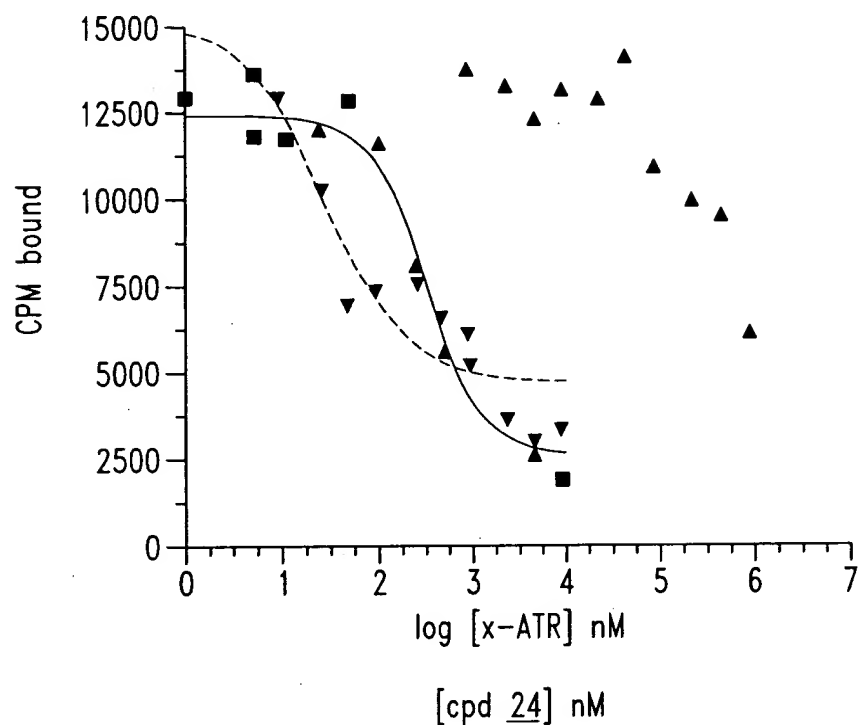


Fig. 14

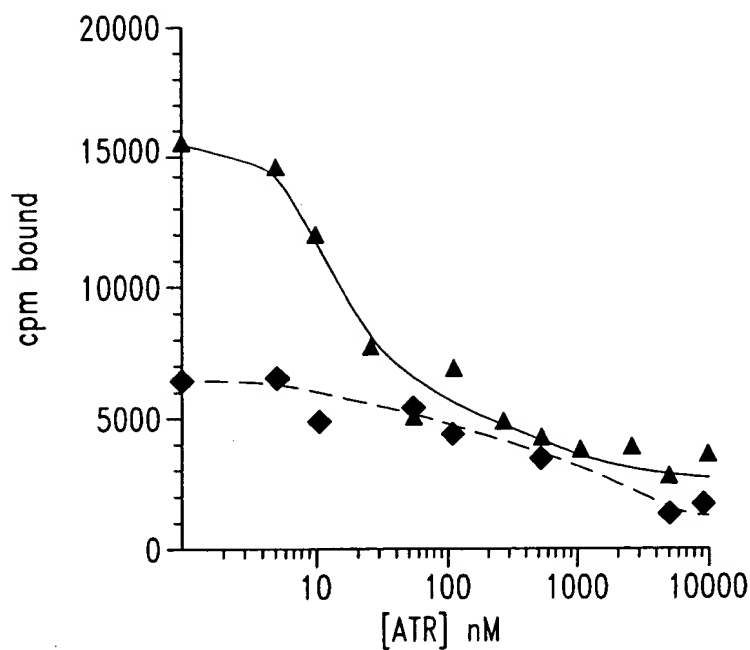


Fig. 15

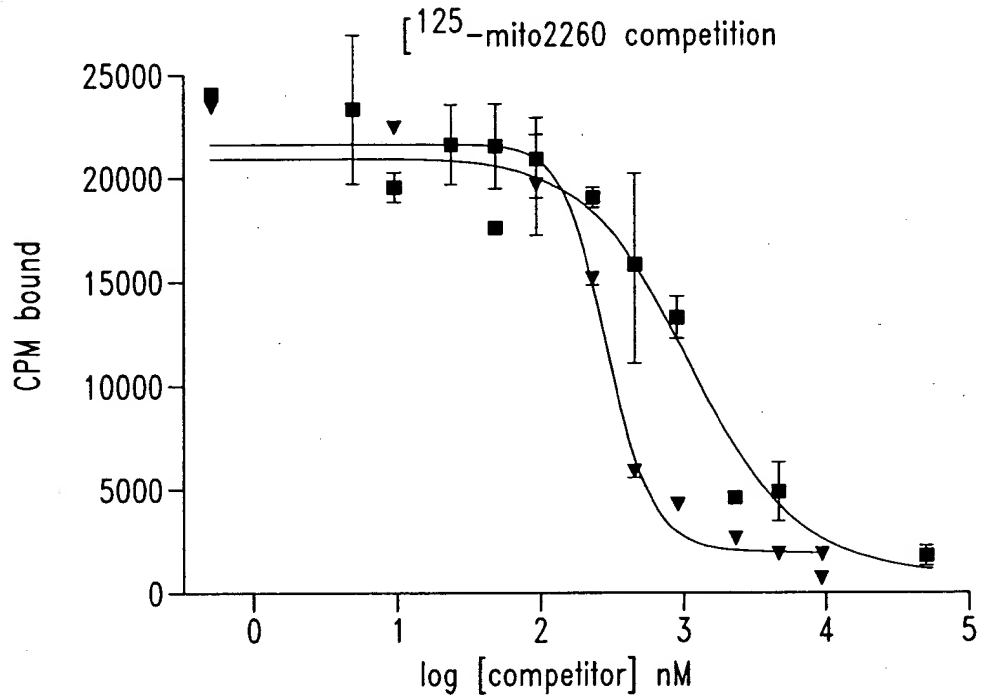


Fig. 16

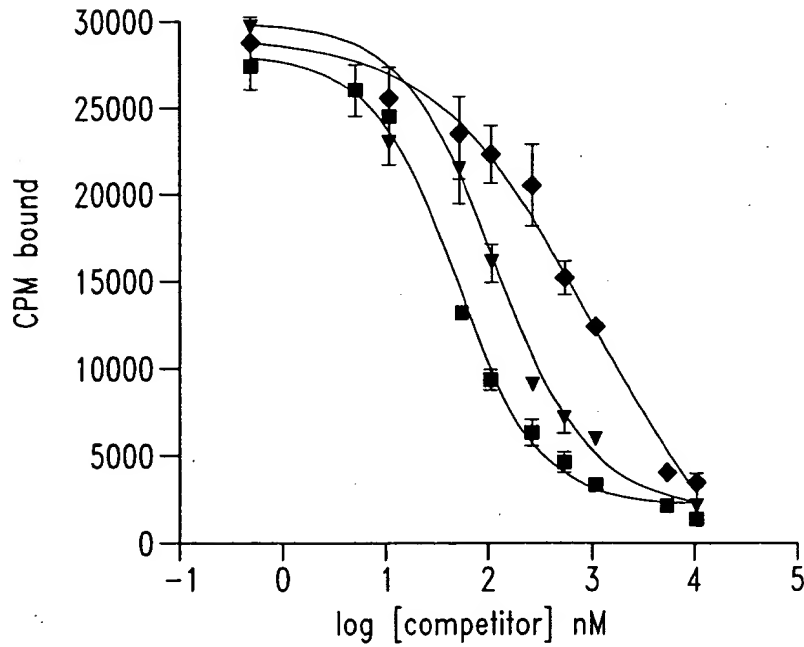


Fig. 17

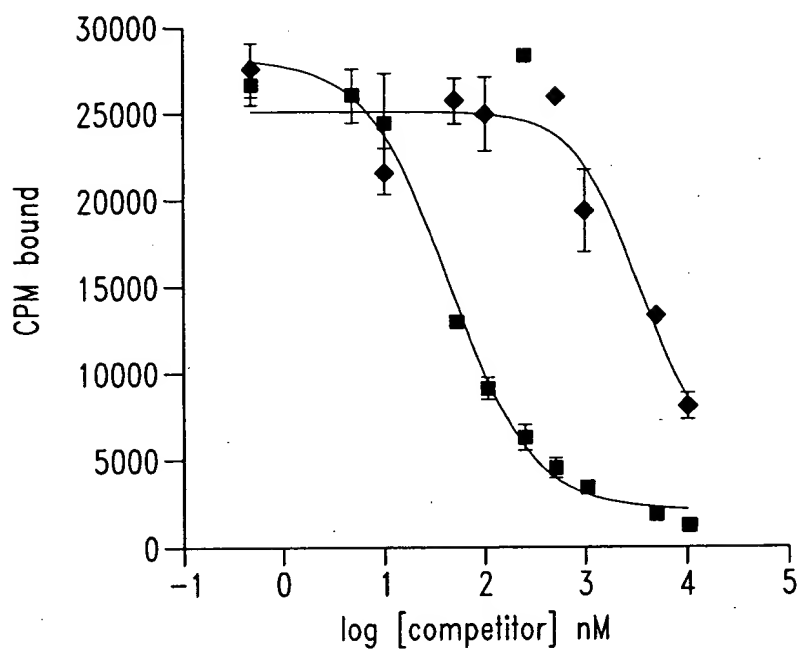


Fig. 18

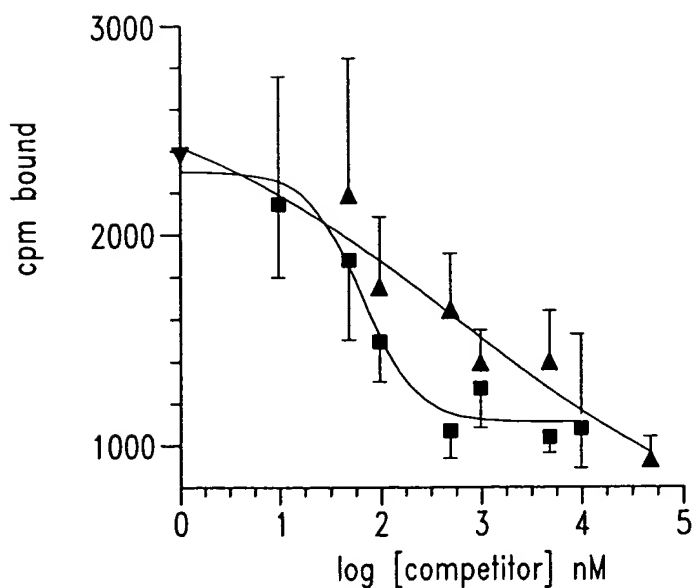


Fig. 19

Title: PRODUCTION OF ADENIL...LEOTIDE TRANSLOCATOR (ANT), NOVEL ANT LI...; AND SCREENING ASSAYS THEREFOR

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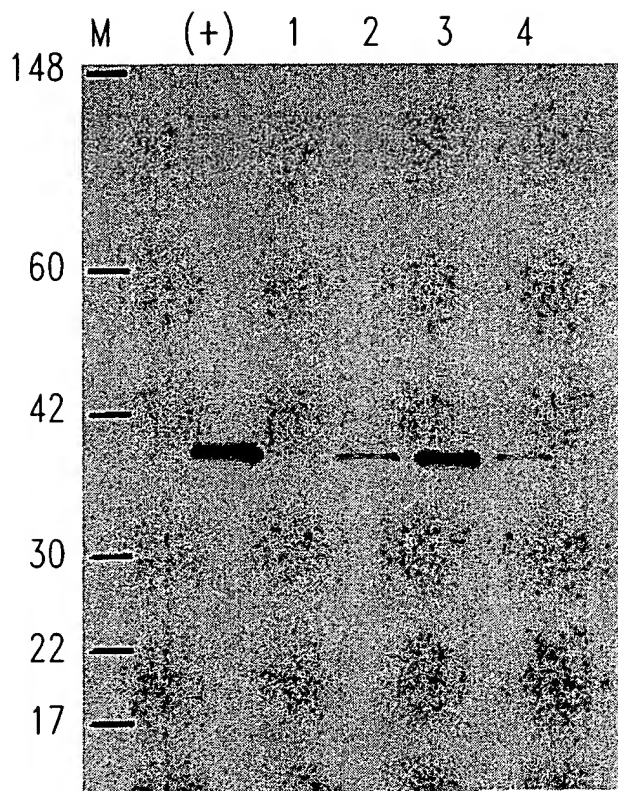


Fig. 4

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HANT1p	YKGIIDCVVRIPKEQGLSFWRGNLANVIRYFPTQALNFAFKDKYKQIFL	100
HANT2p	YKGIIDCVVRIPKEQGLSFWRGNLANVIRYFPTQALNFAFKDKYKQIFL	100
HANT3p	YKGIIDCVVRIPKEQGLSFWRGNLANVIRYFPTQALNFAFKDKYKQIFL	100
HANT1p	GGVDKHTQFWRYFAGNLASGGAAGATSLCFVYPLDFARTRLAADVGRRA	149
HANT2p	GGVDKHTQFWRYFAGNLASGGAAGATSLCFVYPLDFARTRLAADVGRRA	150
HANT3p	GGVDKHTQFWRYFAGNLASGGAAGATSLCFVYPLDFARTRLAADVGRRA	150
HANT1p	EREFRGLGDCIKIKSDGIRGLYQGFNVSVQGIITYRAAYFGVYDTAKG	199
HANT2p	EREFRGLGDCIKIKSDGIRGLYQGFNVSVQGIITYRAAYFGVYDTAKG	200
HANT3p	EREFRGLGDCIKIKSDGIRGLYQGFNVSVQGIITYRAAYFGVYDTAKG	200
HANT1p	MLPDPKNTHIVSWMIAQVTAVAGLSYPFDTVRRRMMQSGRKGADIM	249
HANT2p	MLPDPKNTHIVSWMIAQVTAVAGLSYPFDTVRRRMMQSGRKGADIM	250
HANT3p	MLPDPKNTHIVSWMIAQVTAVAGLSYPFDTVRRRMMQSGRKGADIM	250
HANT1p	YTGTVDCWRKIARDEGGKAFFKGAWSNVLRGMGGAFVLVLYDEIKKYV	298
HANT2p	YTGTVDCWRKIARDEGGKAFFKGAWSNVLRGMGGAFVLVLYDEIKKYT	299
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Fig. 2

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